



**CANADA
2023**

Oil and Water Separators Gravity Grease Interceptors



VODALAND today

Established in 2000, Vodaland is an international manufacturer and supplier specializing in the fields of water collection and removal, custom project engineering, and terrain development.

7 countries
USA, Canada, France, Spain, Poland, Romania, Ukraine



4 Production Plants	11 Sales offices	ISO certified according to ISO 9001	R&D own service R&D	i Project Service	350 international team of workers
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Categories



- ✓ Trench Drains
- ✓ Slot drains
- ✓ Industrial Drains
- ✓ Catch Basins



- ✓ Oil/water separators



- ✓ Erosion Control Grids
- ✓ Plastic Paving Grids



- ✓ Manhole Covers
- ✓ Garden Border/Edging

Product Title Terminology

Series	
BASE	Classified as load classes A-C
PRO	Classified as load classes D-E
MEGA	Classified as load classes D-F
Product Lines	
Concrete	Product made of Fiber Concrete material
Polymer concrete	Product made of Polymer Concrete material
Plastic	Product made of PPE Plastic material
STAINLESS	Fully Stainless Steel system
Width	
Inches	The inches in product title refers to internal width

Series explanation



BASE series:
Load Class A15-C250
Small & medium loads, being ideal for residential areas and light commercial application.



PRO series:
Load Class D400-E600
Medium & heavy-duty loads such as gas stations, parking garages, warehouses & forklifts, and curbsides.









MEGA series:
Load Class D400-F900
Used for heavy duty & extreme loads such as heavy traffic roads & highways, industrial zones, and airports.

CLAEN

Load Classifications

Load classifications have been done according to EN 1433; the only standard written specifically for grated trench drains, and internationally recognized.

Each item is designed for a specific load class. The load classes will aid you in choosing the right channels and Grates in accordance with the requirements of your construction project.

EASY Series		A 15 (3,300 lbs.)	Pedestrians, bicycles and wheel chair traffic. Pedestrian zones, parks, recreation areas, stadiums etc.
		B 125 (27,500 lbs.)	Medium-duty pneumatic tire traffic, autos and light trucks at speeds less than 20 m.p.h. Residential areas, parking lots, etc.
		C 250 (55,000 lbs.)	Heavy-duty pneumatic tire forklifts, tractor-trailers, buses. Road shoulders, auto services, garages, etc.
PRO Series		D 400 (88,000 lbs.)	Heavy-duty hard tire forklifts, trucks. Gas stations, car washes, industrial areas, warehouses, etc.
		E 600 (132,000 lbs.)	General dock and aircraft pavements.
		F 900 (198,000 lbs.)	General docks and aircraft pavements subject to high wheel loads.

Type of Surface Drainage

Linear Drainage Systems are used to collect storm-water and melted snow from a large area.



Linear and Point Drainage Systems are both used in storm-water removal and distribution, each with their own function and purpose. The linear channels collect and drain water from the surface, providing safety for road surfaces and pedestrian traffic.

Point Drainage Systems are used for local collection of storm-water and snowmelt.



Point drainage systems perform the function of collecting water at a center point. Our catch basins and inline catch basins are equipped with a basket to catch debris and sand, preventing excess sediments going into the system.

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Oil / Water Separators

Vodaland's OilBase100 oil and water separator is a vertical cylinder-shaped tank made of reinforced fiberglass. These tanks, separate oil products from wastewater with the help of an environmentally-friendly coalescent filter. The Oil/water separator is an autonomous modular cleaning system, designed for the capture and retention of oil products and sand from surface wastewater (rainwater, meltwater and irrigation of the territory). It's a perfect system for a wide range of applications including parking lots, gas stations, auto shops, industrial plants, and many others.



APPLICATIONS

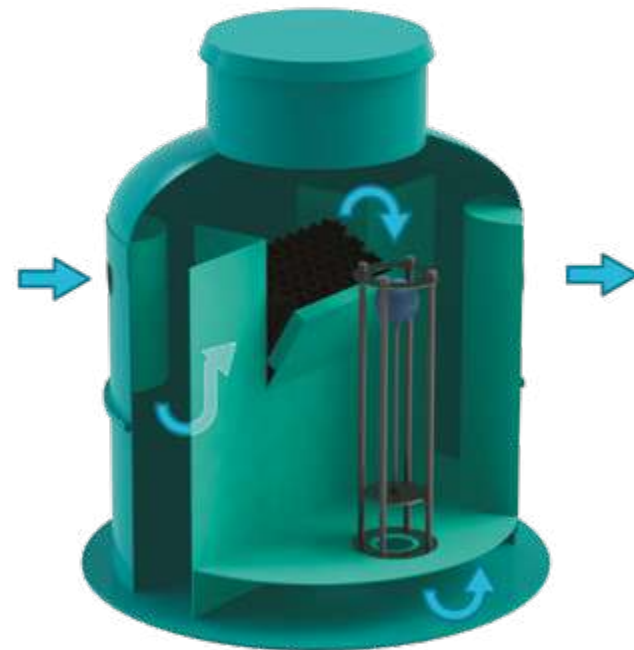
- Gas stations
- Car wash
- Auto shops
- Service stations
- Industrial plants
- Maintenance facilities
- Parking lots

SOME OF THE ADDITIONAL OPTIONS TO USE WITH VODALAND OILBASE100:

- Bypasses can be used if there is a risk of overflow due to high surface runoff
- Oil and sand level sensors
- Neck extensions for deeper installations
- Manhole covers for secured access
- Floating flange and Manhole (A15-D400) for installation under roads/driveways

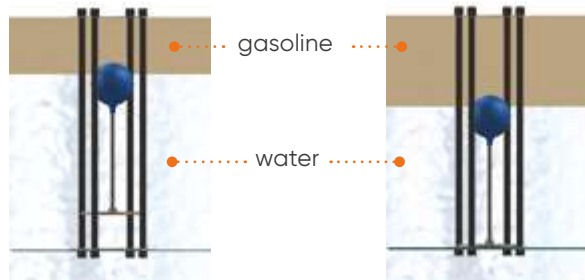
How does it work?

When water passes through the coalescent filter, oil particles become larger. Due to the difference between water and oil density, the oil floats to the surface and forms a film while water continues through to the outlet. OilBase100 also features a locking valve to prevent the continuation of oil once the tank has met a certain threshold of contained oil. Additionally, it includes a sludge trap to prevent the continuation of solid materials through the system.



Locking device

The locking device serves to prevent spillage of petroleum products into the network.



Oil and water separator OilBase 100

Separator models



OB1-1

Area to 250 m² / 2700 ft²



OB1-2

Area to 500 m² / 5400 ft²



OB1-3

Area to 750 m² / 8100 ft²

OB1-3/15

Area to 3750 m² / 40500 ft²



OB1-6

Area to 1500 m² / 16200 ft²

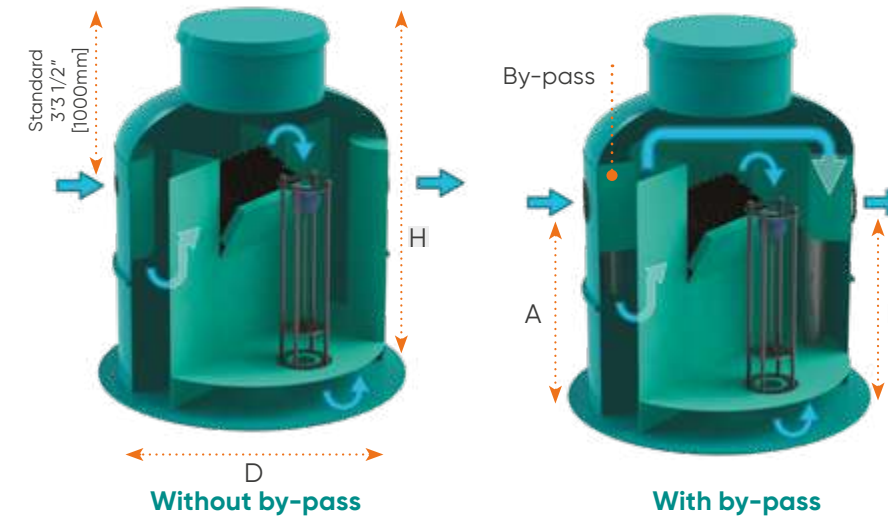
OB1-6/30

Area to 7500 m² / 81000 ft²

Water flow according to Storm water area

Name	Area*		Treatment Flow (without by-pass)	
	m ²	ft ²	l/s	gpm
OB1-1	0 - 250	0 - 2700	1	15
OB1-2	250 - 500	2700 - 5400	2	35
OB1-3	500 - 750	5400 - 8100	3	50
OB1-6	750 - 1500	8100 - 16200	6	100
OB1-3/15	750 - 3750	8100 - 40500	3/15	50/240
OB1-6/30	1500 - 7500	16200 - 81000	6/30	100/480

**(asphalt cement covering up to 80-100% is taken into account)*



Scheme of water movement



By-pass

The bypass system is designed for the transit of surface runoff during maximum rains to prevent flooding of the territory.

Dimensions according to water flow WITHOUT by-pass

Name	Treatment Flow (Separator)		Diameter		Height		Pipes	Useful capacity		Sludge trap capacity		Light liquids capacity	
	l/s	gpm	D, in	H, in	A, in	B, in	Din/out, in	L	gal	L	gal	L	gal
OB1-1	1	15	2'-8.5"	6'-0.75"	2'-9.5"	2'-8.5"	4.0"	460	120	100	25	50	12.5
OB1-2	2	35	3'-3.5"	6'-4.75"	3'-1.5"	2'-11.5"	4.0"	710	185	200	55	100	25
OB1-3	3	50	3'-11.25"	6'-0.75"	2'-9.5"	2'-8.5"	6.0"	1020	270	300	80	150	40
OB1-6	6	100	4'-7.25"	6'-10.75"	3'-7.25"	3'-5.25"	6.0"	1850	490	600	160	300	80

Dimensions according to water flow WITH by-pass

Name	Treatment Flow (Separator/Bypass)		Diameter		Height		Pipes	Useful capacity		Sludge trap capacity		Light liquids capacity	
	l/s	gpm	D, in	H, in	A, in	B, in	Din/out, in	L	gal	L	gal	L	gal
OB1-3/15	3/15	50/240	3'-11.25"	6'-0.75"	2'-9.5"	2'-8.5"	8.0"	1020	270	300	80	150	40
OB1-6/30	6/30	100/480	4'-7.25"	6'-10.75"	3'-7.25"	3'-5.25"	10.0"	1850	490	600	160	300	80

**production of products with a capacity of up to 50 l/s (800gpm) is possible*

Gravity Grease Interceptors

Gravity Grease Interceptors (Grease separators) for underground use are designed to separate vegetable and animals fats from wastewater in kitchens, catering and food preparation establishments, etc., with the aim of preventing clogging of the sewage network from fatty deposits. The total useful volume is calculated for the duration of the runoff of at least 5 minutes - for non-emulsified fats; and at least 30 minutes for emulsified fats. Fats and solid sludges are pumped out as they accumulate, but not less than once every 3-6 months; sediment level control is performed visually or with sediment level sensors.

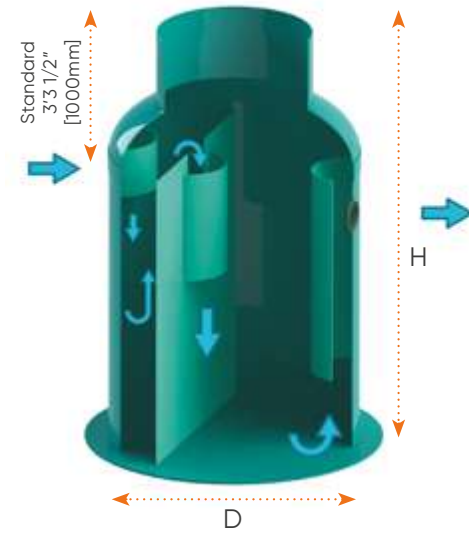


APPLICATIONS

- Gas stations
- Shopping centers
- Residential complexes
- Industrial objects
- Public institutions

BENEFITS:

- Low mass of the product
- Chemical and corrosion resistance
- Hermeticity
- The service life is more than 50 years!
- Constructive for internal and external installation



Dimensions according to water flow GreaseBase

Name	Water Flow		Diameter D, in	Height H, in	Pipes D _{in/out} , in	Useful capacity		Sludge trap capacity		Light liquids capacity	
	l/s	gpm				L	gal	L	gal	L	gal
GB-1	1	15	2'-8.5"	5'-10.75"	4.0"	370	100	105	25	130	35
GB-2	2	30	3'-3.5"	6'-6.75"	4.0"	730	190	210	55	200	50
GB-3	3	50	3'-11.25"	6'-6.75"	4.0"	1050	275	305	80	290	75
GB-4	4	65	4'-7.25"	6'-6.75"	4.0"	1450	385	415	110	390	100

*production of products with a capacity of up to 20 l/s (320gmp) is possible

Manhole design

Grass zone



Pedestrian zone, Traffic zone





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